



3 1761 06349803 4

London, University of

(74)

924

DEPARTMENT OF APPLIED MATHEMATICS
UNIVERSITY COLLEGE, UNIVERSITY OF LONDON



DRAPERS' COMPANY RESEARCH MEMOIRS

BIOMETRIC SERIES VI

A MONOGRAPH ON ALBINISM IN MAN

BY
KARL PEARSON, F.R.S., E. NETTLESHIP, F.R.C.S.,
AND
C. H. USHER, M.B., B.C. CAMB.

ATLAS

PART I

PHOTOGRAPHIC PLATES A—Z AND AA—ZZ

214840
13.8.27

Issued to Subscribers only

Published by the Cambridge University Press, Fetter Lane, E.C. 4
PUBLISHED BY DULAU AND CO. LIMITED, 37, SOHO SQUARE, W.

1911

[*All rights of reproduction reserved*]



Cambridge:
PRINTED BY JOHN CLAY, M.A.
AT THE UNIVERSITY PRESS

GN
199
P4
Atlas
pt. 1

CONTENTS.

PLATES A—D, Cuts 1—11.	}	Leucoderma.		
PLATE QQ, Cuts 143—146.				
PLATES E—J, Cuts 12—30.	}		Piebalds and Spotlings.	
PLATE AA, Cut 85. PLATE HH, Cuts 106, 107.				
PLATES RR—UU, Cuts 147—157.				
PLATE VV, Cut 158.				
PLATE WW, Cut 162.				
PLATE II, Cut 109. PLATE XX, Cuts 165, 167, 168, 169.				
PLATES K—O, Cuts 31—46.	}	European Albinos.		
PLATE NN, Cut 130.				
PLATE OO, Cuts 132—138.				
PLATES P—X, Cuts 47—76.	}		Asiatic and Australasian Albinos.	
PLATE GG, Cuts 101—104.				
PLATE II, Cut 110. PLATE NN, Cuts 129, 131.				
PLATES VV—WW, Cuts 160—164. PLATE XX, Cut 170.				
PLATE FF, Cut 100.	}	American Indian Albinos.		
PLATE NN, Cuts 125—128.				
PLATES Y—Z, AA—BB, DD—EE, Cuts 77—90, 93—99.	}		Negro Albinos.	
PLATE II, Cut 108. PLATE VV, Cut 159.				
PLATE PP, Cuts 139—142. PLATE XX, Cut 166.				
PLATES CC, HH, Cuts 91, 92, 105.			Xanthous Negros.	
PLATES JJ—MM, Cuts 111—124.	}	Albinism in Lower Forms of Life.		
PLATES YY—ZZ, Cuts 171—185.				

Many of the original photographs in this Atlas have been reproduced on the distinct condition that they should appear only in a scientific work appealing to a special and limited scientific audience. For this reason no reproduction without special permission can be permitted.



ACQUIRED PARTIAL ALBINISM.

BEIGEL'S CASE.



(4)

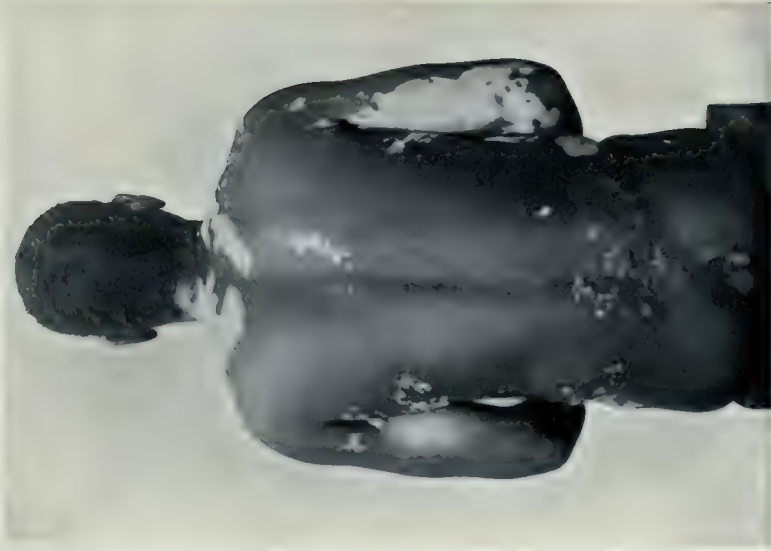


(5)

LEUCODERMA IN A NEGRO (SIR RICHARD BURTON'S CASE).



(6)

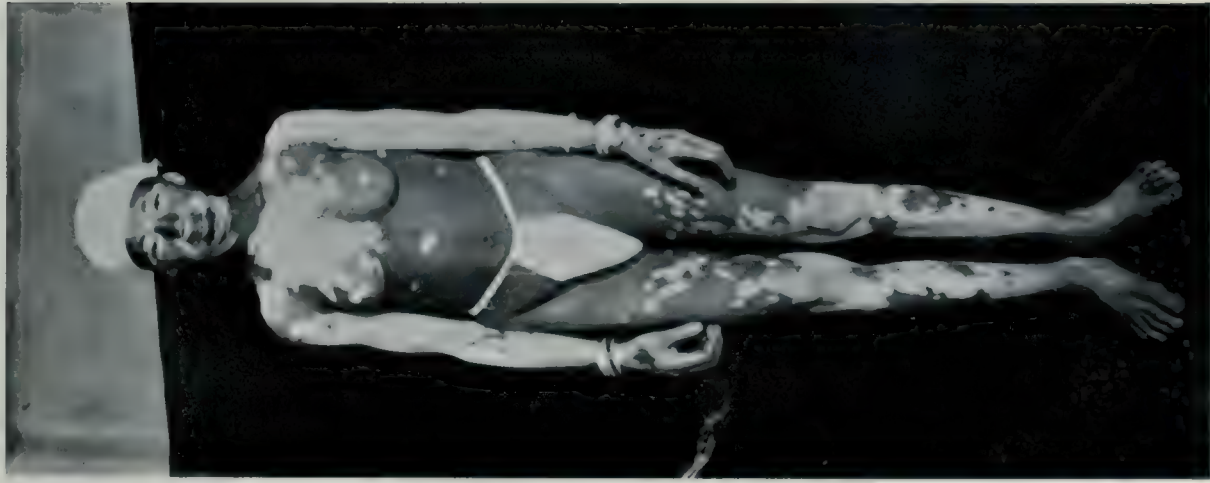


(7)

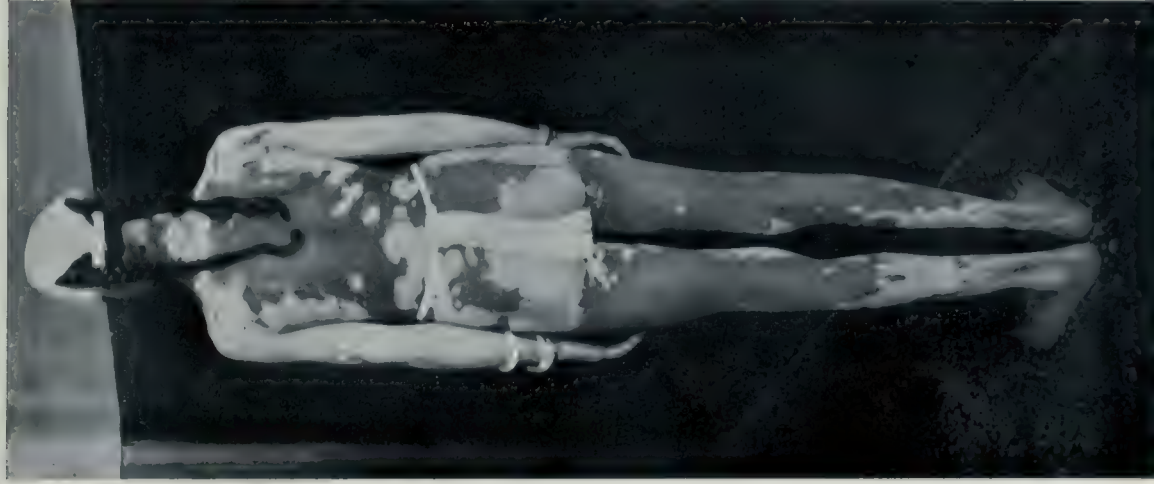


(8)

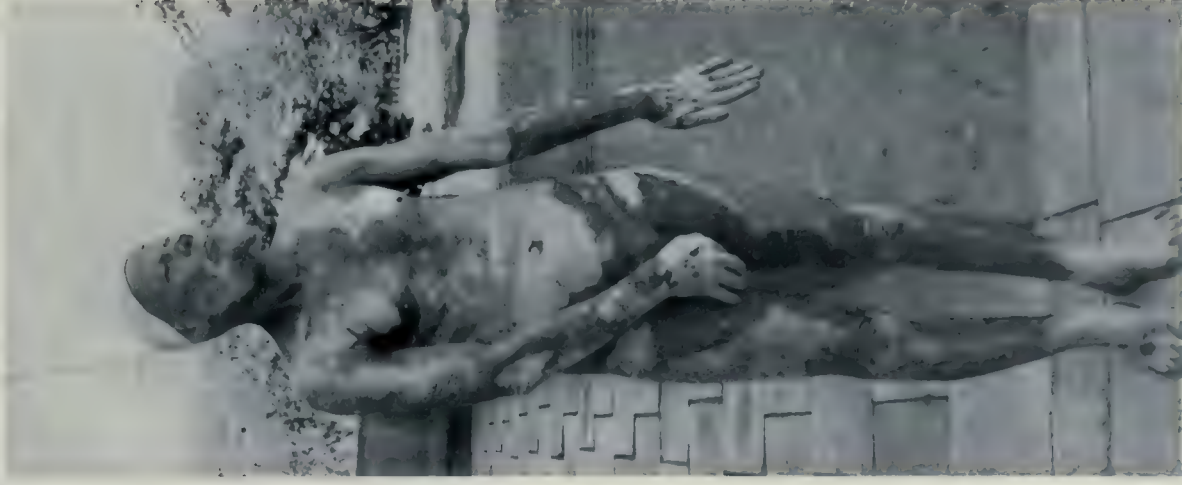
LEUCODERMA IN ZULU, FIGS. (6) AND (7). (DR C. WARD'S CASE.)
LEUCODERMA IN SUDANESE, FIG. (8). (DR F. M. SANDWITH'S CASE.)



(9)



(10)



(11)

LEUCODERMA IN EGYPTIANS (DR F. M. SANDWICH'S CASES).



(12)



(13)



CAST OF PIED NEGRO CHILD AT ST THOMAS' HOSPITAL, LONDON. (14)



FROM A PICTURE AT MARLOW. (15)



AFTER CHAMBERS. (16)



FROM A PRINT BY GRETTON. (17)



AFTER BUFFON. (18)



AFTER GRANGER.

(19)

PIED NEGRO (GRANGER-BLUMENBACH CASE).



(20)

AFTER BLUMENBACH.



(31)

MOTHER AND CHILDREN FROM NYASSALAND
(DR EMSLIE'S CASE).



(32)

INHERITANCE OF WHITE 'FLARE' (MR N. BISHOP HARMAN'S
SECOND CASE).

PARTIAL ALBINISM.



(23)



(24)



(25)



(26)

CONGENITAL PARTIAL ALBINISM IN PAPUAN BOY. PHOTOGRAPHS AT DIFFERENT AGES.



(27)



(28)



(29)



(30)

CONGENITAL PARTIAL ALBINISM.
EUROPEAN BOY (DR GILBERT SMITH'S CASE).
JEWISH GIRL (MR N. BISHOP HARMAN'S FIRST CASE).



(31)



(32)



(33)



(34)

COMPLETE ALBINISM IN EUROPEANS, WOMEN.

ALBINISM IN MAN.

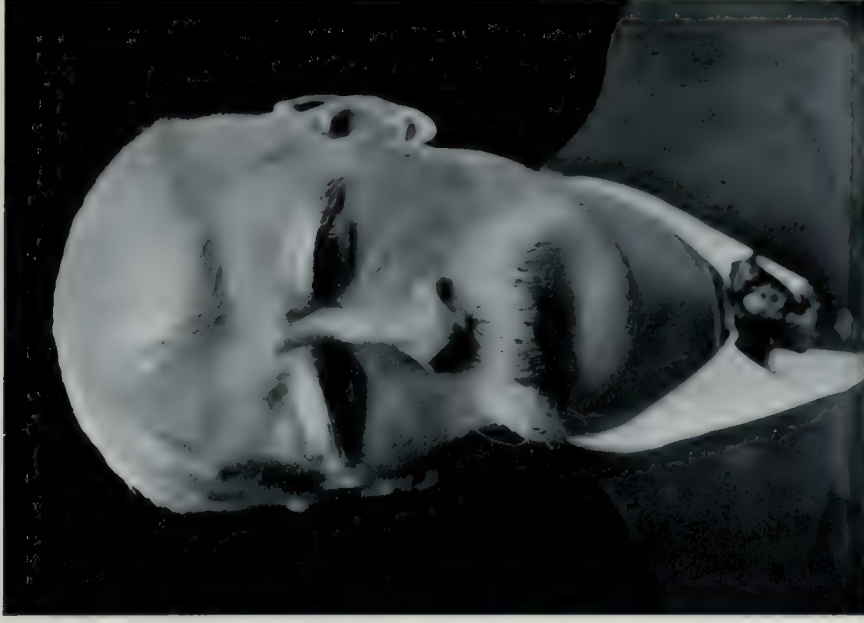
PLATE L.



(35)



(36)



(37)

COMPLETE ALBINISM IN EUROPEAN MEN.



(38)



(40)

EUROPEAN CHILDREN AND PARENTS.



(41)

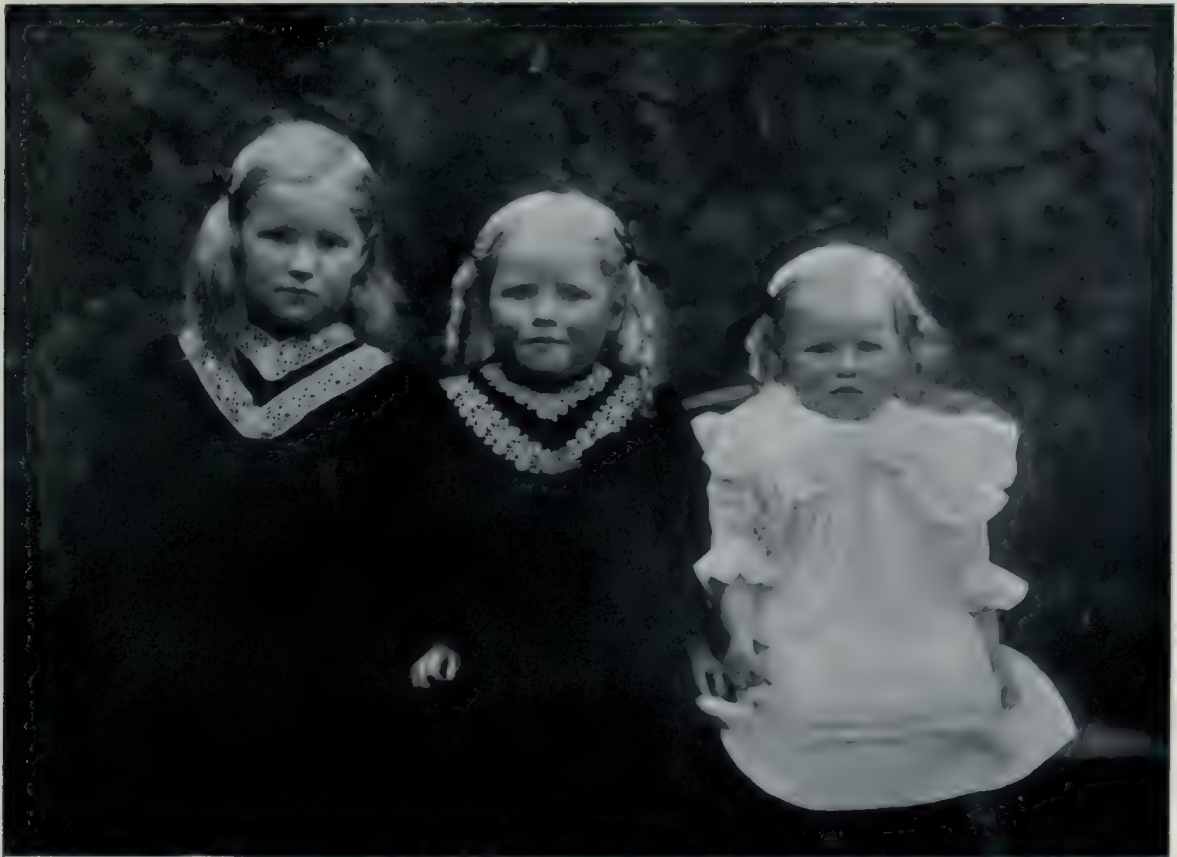


(42)



(43)

EUROPEAN ALBINOS, PARENTS AND CHILDREN.



INCOMPLETE SCOTTISH ALBINOS (C. H. USHER'S CASE).

(44)



(45)



(46)

NORWEGIAN ALBINOS, DR MAGNUS' CASE.
EUROPEAN ALBINOS, CHILDREN.



(47)

SINGHALESE ALBINO AND HIS BROTHER (SIR ALAN PERRY'S CASE, FIG. 9).



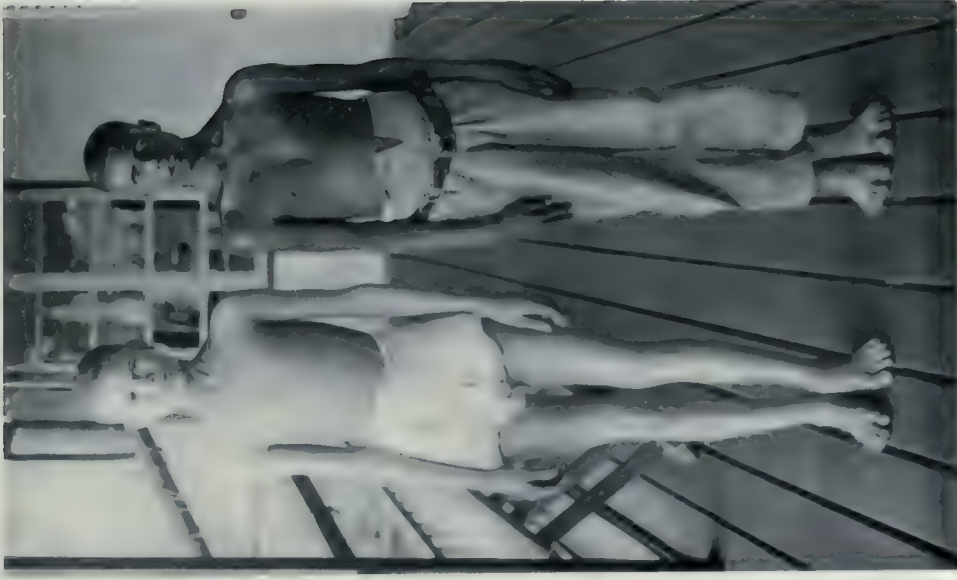
(48)



(49)
MALAY ALBINO (FIG. 353).



(50)
MALAY ALBINO (FIG. 353).
(DR FRASER'S CASES.)



(51)
TAMIL ALBINO (FIG. 418).



(52)

TATI AND HER MALAY HUSBAND (FIG. 351).



(53)

TIRIAH AND HER CHINESE HUSBAND (FIG. 350).



(54)

TATI AND TIRIAH, ALBINO MALAYS.
(DR FRASER'S CASES, FIGS. 350 AND 351).



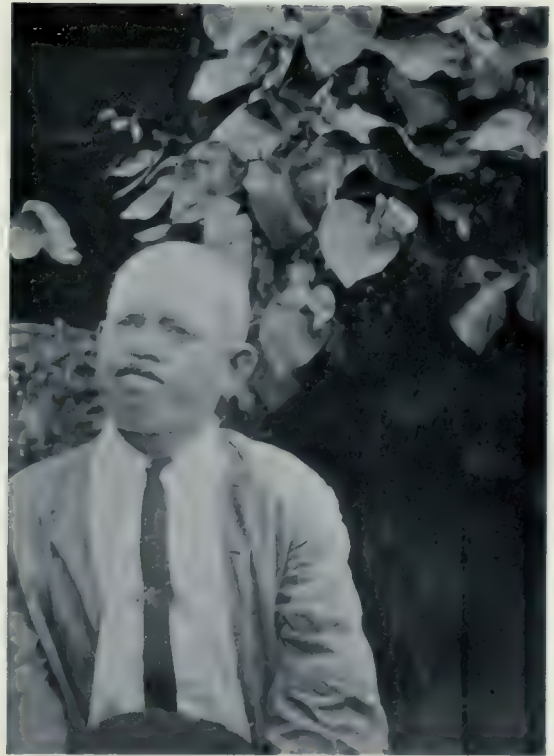
(55)

JAPANESE ALBINO BOY.
(PROFESSOR KOMATO'S CASE.)



(56)

NORMAL NATIVE AND MISIKINGI (FIG. 388).



(57)

ALBINO RUSIATI SEN FROM REWA (FIG. 390).



(58)

FIJIAN ALBINO CHILDREN AND THEIR GRANDMOTHER. WAINIKITI LEWADAMU AND LOUISA LAGIVORO (FIG. 329 *d*).



(59)

ALBINO GASAGASA AND HER MOTHER (FIG. 329 *d*).

TYPICAL FIJIAN ALBINOS, SHOWING ABSENCE OF "FRECKLES" IN THOSE NOT EXPOSED TO THE SUN.



(60)

SITERI, FIJIAN ALBINO (FIG. 385).



(61)

SITERI, FIJIAN ALBINO.



(62)

SERA AND ASENE, FIJIAN ALBINOS (FIG. 444).



(63)

SERA AND ASENE, FIJIAN ALBINOS.

(C. H. USHER'S CASES.)



ISERELI NAVUNENE (FIG. 334). (64)



ETONIA BIAN (FIG. 444). (65)



SAMUELA NOVOCE (FIG. 386). (66)



(67)



(68)



(69)

FIJIAN ALBINOS, ILLUSTRATING THE "FRECKLES" IN ADULT ALBINOS EXPOSED TO SUN.



(70)



(71)

PAPUAN ALBINO BOBOWA (MR J. TAFFER'S CASE). NEW GUINEA. FIG. 417.



(72)

PAPUAN ALBINO BOIOWA, BROTHER AND PARENTS (MR J. TAAFFE'S CASE), NEW GUINEA. FIG. 417.



(73)



WALLOULO (FIG. 347). (74)



WALLOULO (FIG. 347). (75)



DELMILU (FIG. 348). (76)

NEW GUINEA ALBINUS (C. H. USHER'S CASES).



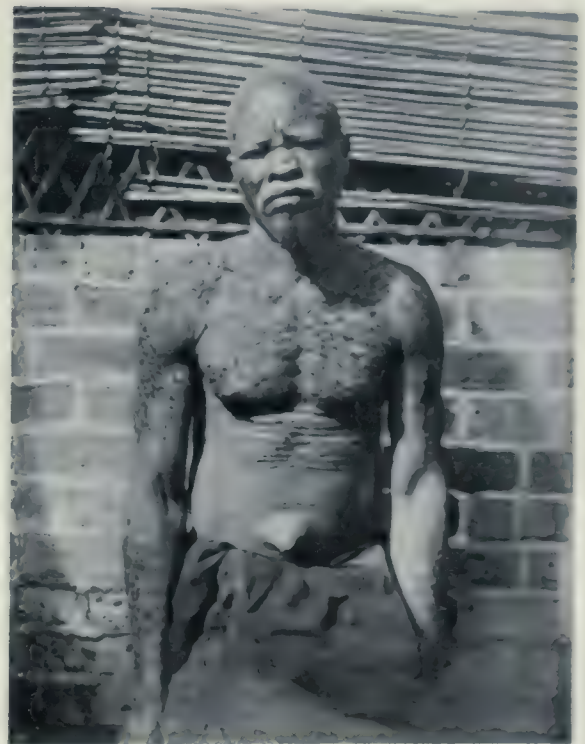
CHESIWANDIVI (FIG. 430). (77)



NYASSA ALBINOTIC WOMAN. (78)



ALBINO BABY (FIG. 431). (79)

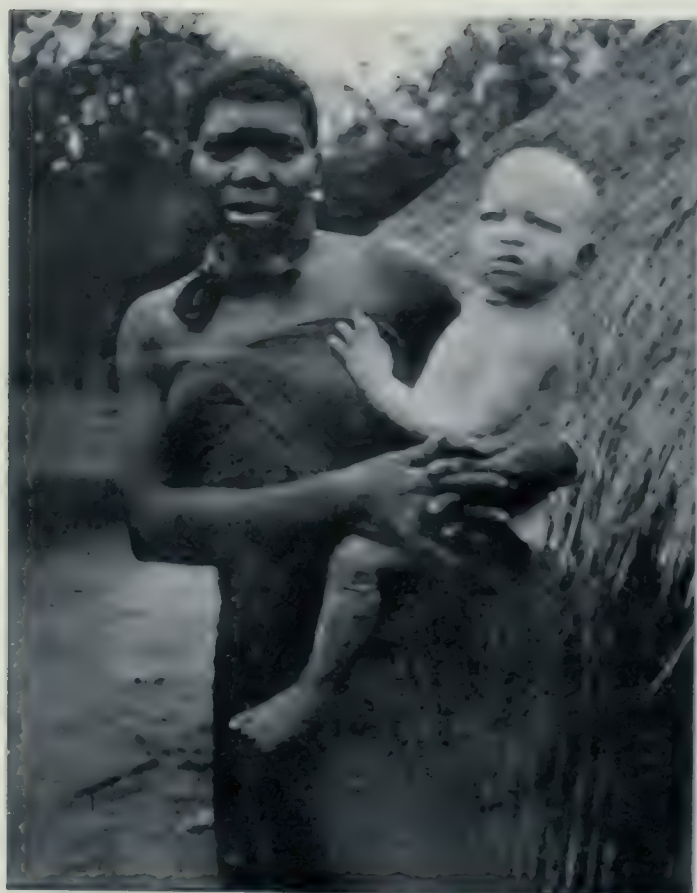


NG'OMBE (FIG. 427). (80)

NYASSALAND ALBINOS (DR STANNUS' CASES).



MYTOPI ALBINO CHILD AND HIS FATHER (81)
(DR G. A. TURNER'S CASE).



SAME CHILD AND HIS MOTHER. (82)



(83)
BASUTO ALBINO BOY (CAPTAIN A. FISHER'S CASE).

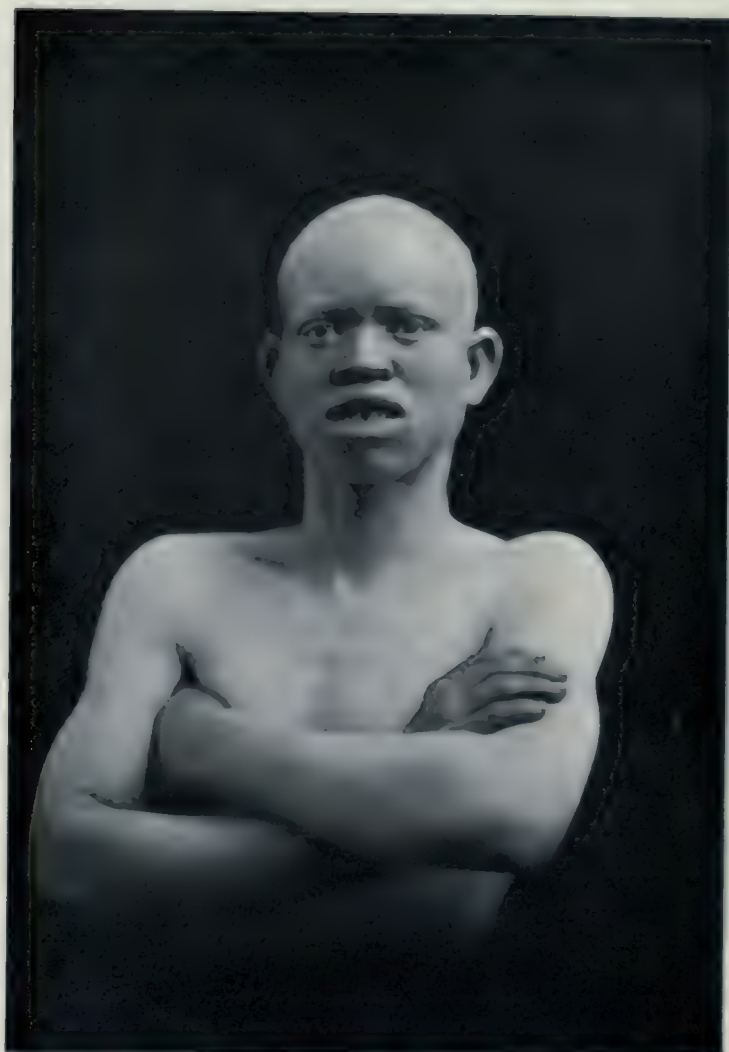


(84)
NYASSALAND ALBINOS (DR STANNUS' CASES, FIG. 428).

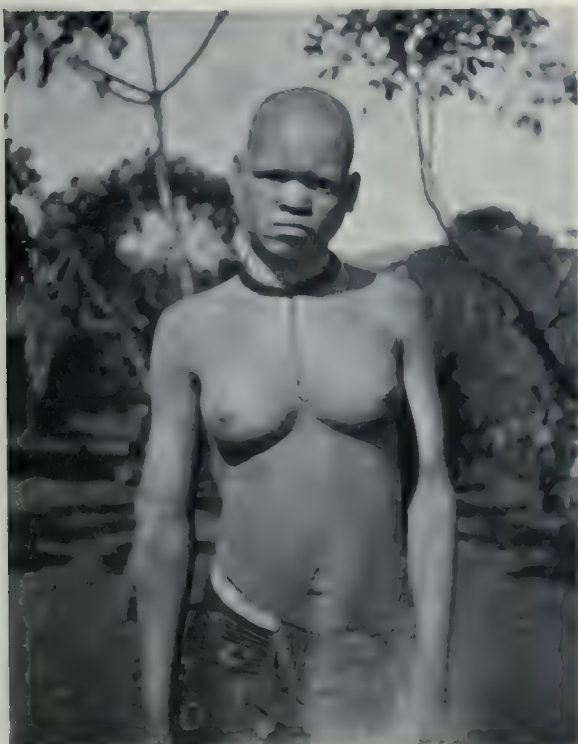


(85)

ALBINISM OF PENIS IN NEGRO (DR G. A. TURNER'S CASE).



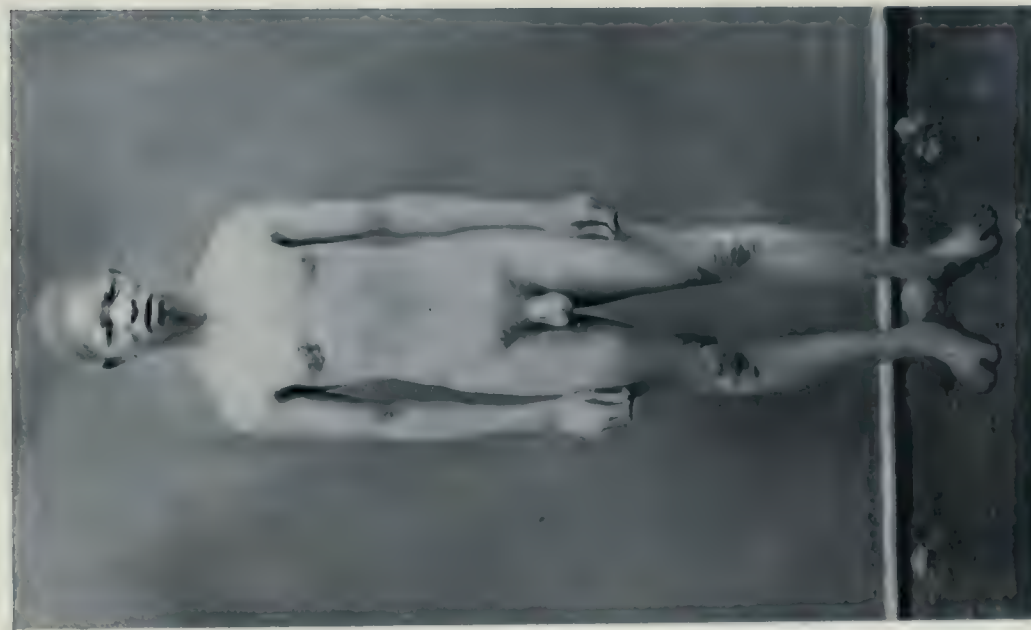
ZULU ALBINO (DR C. WARD'S CASE, FIG. 38). (86)



MYAMBAAM ALBINO GIRL. (87)



SAME GIRL WITH OTHER MYAMBAAMS (DR G. A. TURNER'S CASE). (88)



(89)



(90)

SHANGOAN ALBINO (DR G. A. TURNER'S CASE)



(91)



(92)

XANTHOUS MYAMBAAM (DR H. TURNER'S CASE).



(93)



(94)

JAMAICAN NEGRO ALBINO BOY AND MOTHER (DR COSTA'S CASE).



(95)



(96)

MYAMBAAM NEGRO ALBINO (DR G. A. TURNER'S CASE).



ALBINO BANTU FROM PORTUGUESE CONGO (97)
 (DR MERCIER GAMBLE'S CASE, FIG. 544).



(98)

BANTU ALBINO BABY AND PARENTS
 FROM PORTUGUESE CONGO.



(99)

BANTU ALBINO BABY AND PARENTS
 AS IN (98).

(DR MERCIER GAMBLE'S CASE, FIG. 544)



SIX ZUNI INDIAN ALBINOS, FROM A PHOTOGRAPH PROVIDED BY THE SMITHSONIAN INSTITUTION OF WASHINGTON, U.S. (100)



(101)

OKATANA, A PAPUAN ALBINO WITH NORMAL NATIVE FROM GAWA ISLAND (MR JOHN TAAFFE'S CASE. FIG. 541).



(102)

SYRIAN ALBINO FROM BEYRUT (REV. GEORGE MACKIE'S CASE).



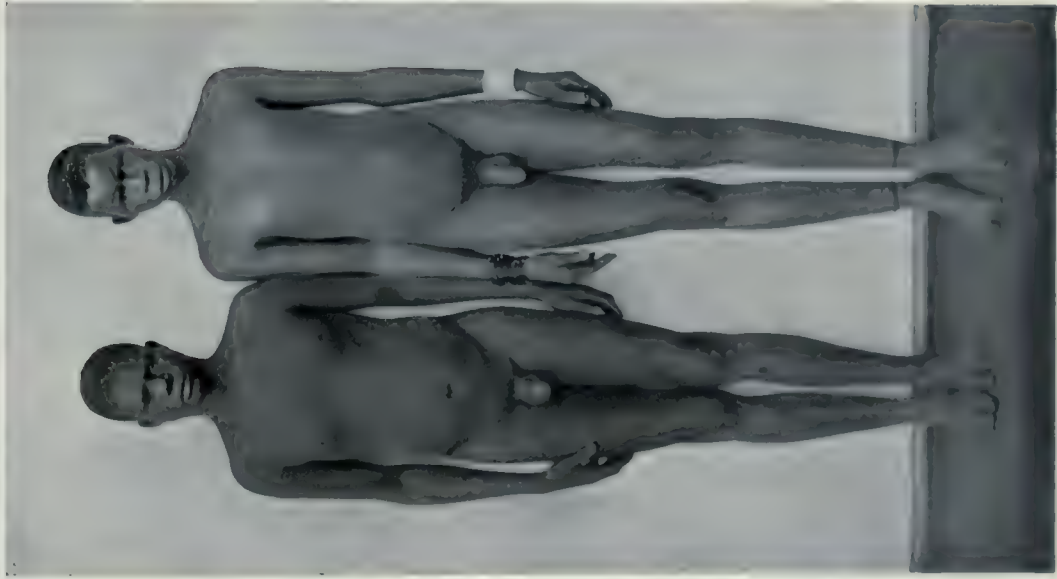
(103)

MAORI ALBINO WITH WIFE, MOTHER AND CHILD (C. H. USHER'S CASE, FIG. 572).



(104)

GILBERT ISLAND ALBINO (MR G. M. MURDOCH'S CASE).



(105)

MAGUMANE, A MYTOPI XANTHOUS NEGRO WITH NORMAL COLOURED NATIVE (DR G. A. TURNER'S CASE).



(106)

PARTIAL ALBINISM OF SKIN IN A MYTOPI (DR G. A. TURNER'S CASE).



(107)



(108)
 ENGLISHMAN, HIS WIFE AN ALBINO NEGRESS, AND THEIR TWO MULATTO CHILDREN.
 FROM THE PAINTING IN THE POSSESSION OF THE ROYAL COLLEGE OF SURGEONS.



(110)
 ARRIVED BY AN INDIAN FAMILY. MURRAY CHAMBERLAIN'S CASE (1881)



(109)
 PARTIAL ALBINISM. SINGLE WHITE EYE AND



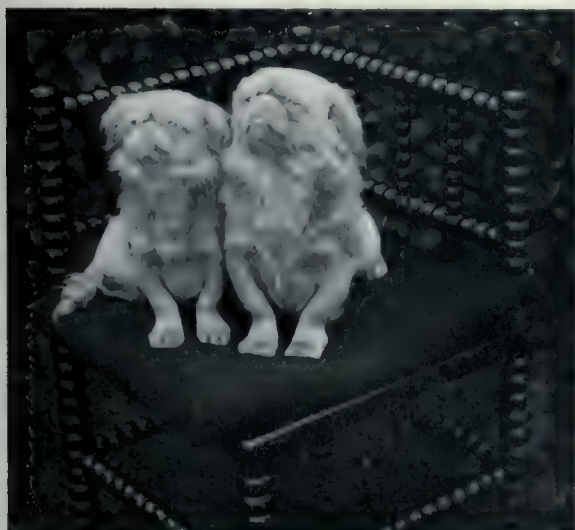
(111)

ALBINO LEVERETS (MR OXLEY GRABHAM, YORK).



(112)

ALBINO WEASEL (MR OXLEY GRABHAM, YORK).



(113)

ALBINO PEKINESE SPANIELS (MR E. NETTLESHIP).



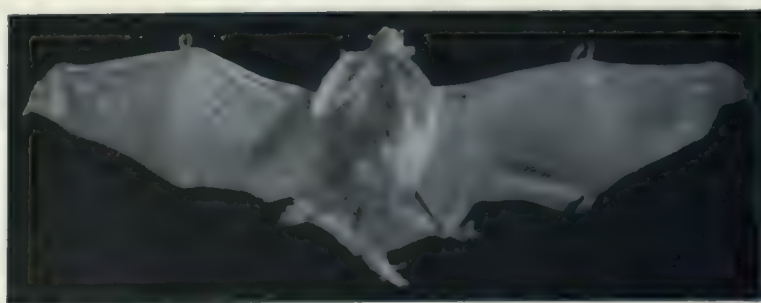
(114)

ALBINO HEDGEHOG (MR OXLEY GRABHAM, YORK).



(115)

ALBINO JAY (MR OXLEY GRABHAM, YORK).



(116)

ALBINO LONG-EARED BAT (MR A. H. BARING, HAMPSHIRE).



ALBINO BLACK COCK. (117)



HEAD OF ALBINO GREY HEN. (118)



NORMAL BLACK COCK. (119)



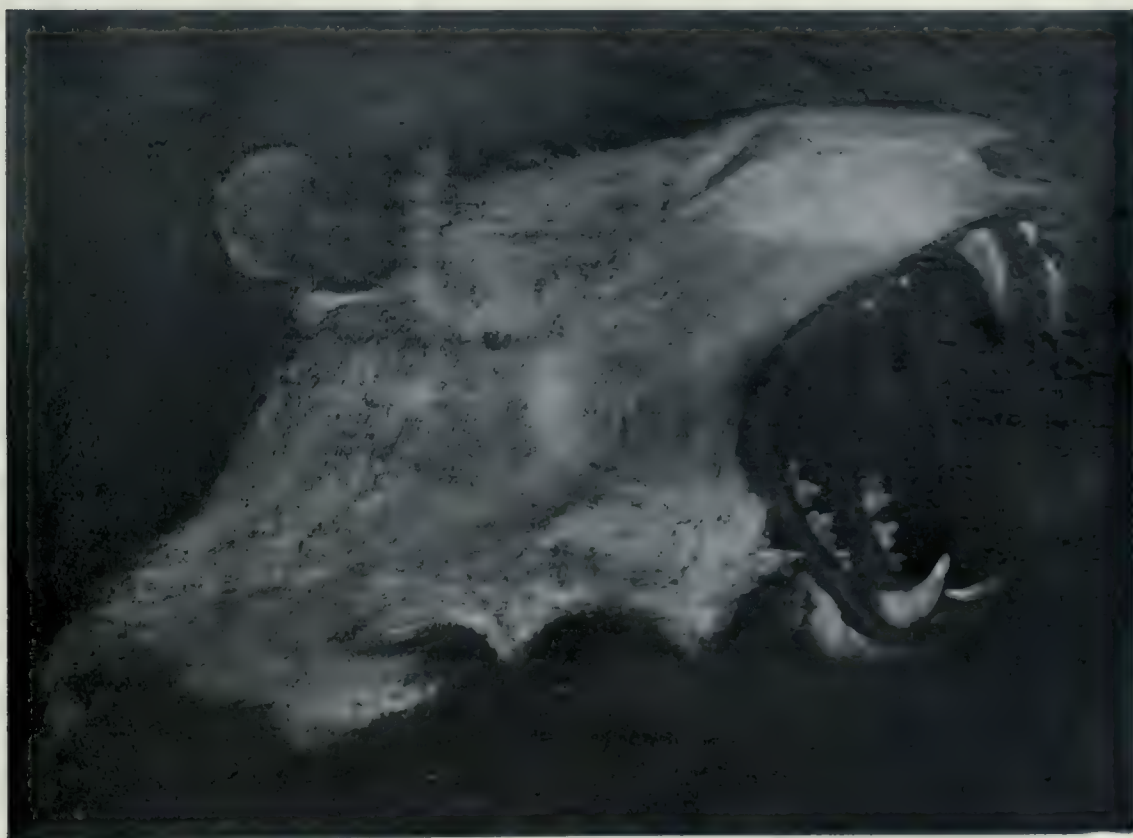
NORMAL GREY HEN. (120)

BLACK GAME (MR C. H. USHER).
ILLUSTRATIONS OF ALBINISM IN ANIMALS.



PARTIAL ALBINISM IN HORSES: DAM WITH FOAL AND YEARLING.

(121)



(122)

SIR EVERARD HOME'S ALBINO TIGER FROM THE PAINTING AT THE ROYAL COLLEGE OF SURGEONS.



(123)

COMPLETE ALBINO WALLABY (*MACROPUS RUFICOLLIS BENNETTI*). BRITISH MUSEUM OF NATURAL HISTORY.



(124)

COMPLETE ALBINO MONKEY (*MACACUS CYNOMOLGUS*). BRITISH MUSEUM OF NATURAL HISTORY.



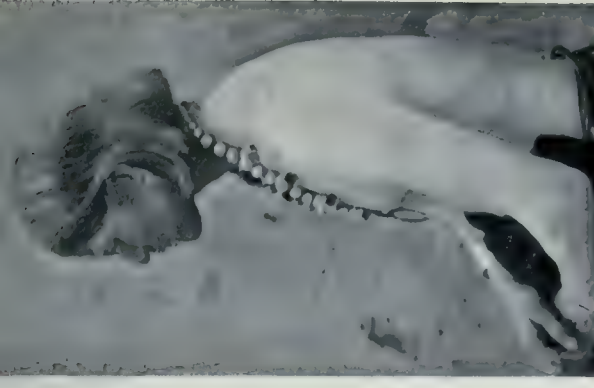
SEE FIG. 582. (125)



SEE FIG. 582. (126)



SEE FIG. 589. (127)



SEE FIG. 589. (128)

ZUÑI INDIAN ALBINOS. HRDLIČKA'S CASES. REPRODUCED BY KIND PERMISSION OF THE SMITHSONIAN INSTITUTION.



(130)

SYRIAN ALBINO GIRL WITH NORMALLY PIGMENTED BROTHER. DR MANASSEH'S CASE, FIG. 597, IV. 3.



(130)

NORWEGIAN ALBINO SISTER AND BROTHER (EARLY PORTRAITS). DR V. MAGNUS' CASE, FIG. 456.



(131)

SYRIAN ALBINO MAN, WITH NORMALLY PIGMENTED SYRIAN. DR MANASSEH'S CASE, FIG. 597, IV. 23.



(136)

NORMAL NORWEGIAN MOTHER WITH THREE ALBINO CHILDREN AND THEIR ALBINO SECOND COUSIN. DR V. MAGNUS' CASE, FIG. 634.



(134)

INCOMPLETE ALBINO GIRL AND HER NORMAL SISTER. USHER'S CASE, FIG. 639.



(132)

ALBINO RUSSIAN. DR SMIRNOFF'S CASE, FIG. 629. COMPARE WITH (133).



(133)

NORMAL RUSSIAN TO BE COMPARED WITH (132).



(137)

DEAF-MUTE ALBINO. DR HERON'S CASE, FIG. 649.



(135)

ALBINO FATHER AND SON, SCOTLAND. DR SOUTER'S CASE, FIG. 642.



(138)

TUFT OF BLACK HAIR ON HEAD OF DEAF-MUTE ALBINO, FIG. 649: SEE (137) ABOVE. COMPARE WITH CASE IN OUR FIG. 41.



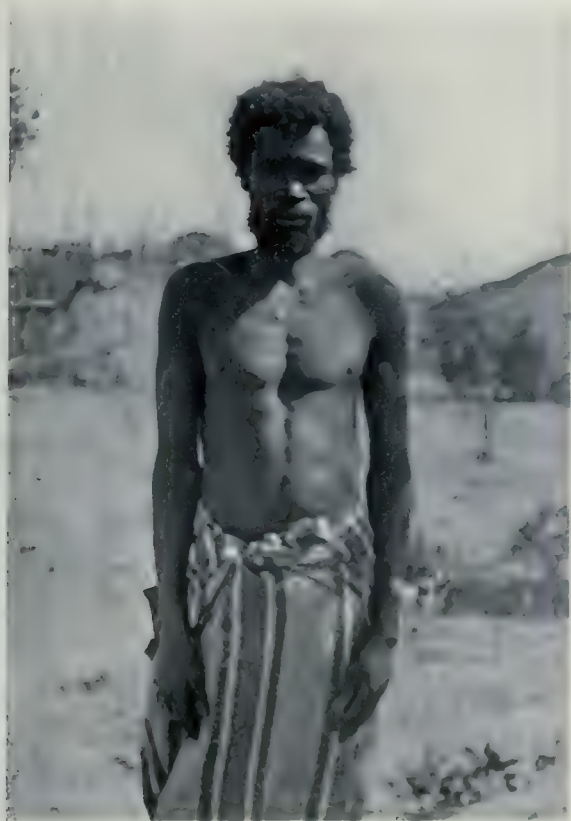
(139)

NYASSALAND ALBINO CHILD, AGED 3, WITH NORMAL MOTHER, AND OTHER CHILDREN. DR DAVEY'S CASE, FIG. 630.



(140)

NYASSALAND NORMAL MOTHER AND ALBINO CHILD. MRS YOUNG'S CASE: SEE TEXT, P. 145 (? SAME AS (139)).



(141)

NORMAL NYASSALAND NATIVE, FOR COMPARISON WITH ALBINO NATIVE (142).



(142)

ALBINO NYASSALAND NATIVE. SKIN COVERED BY UNPIGMENTED SMALL ELEVATIONS ("GOOSE SKIN"). DR ROBERTSON'S CASE, FIG. 648. CF. (141).

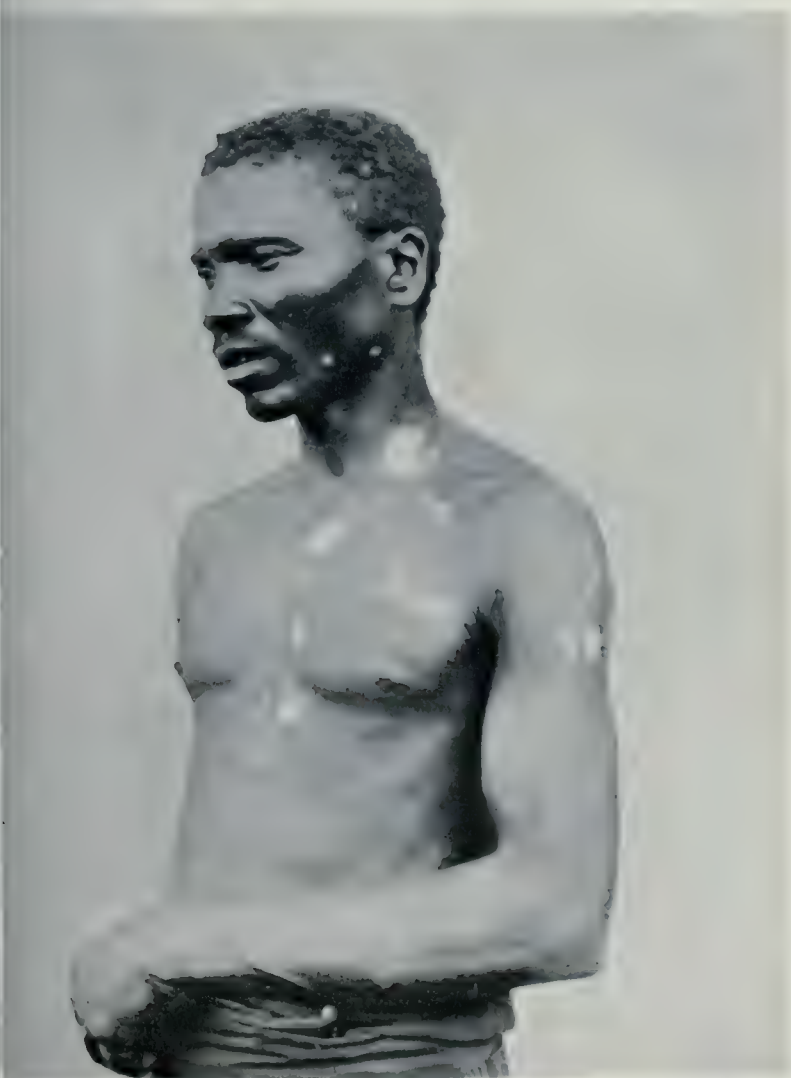


(143)



(144)

LEUCODERMA IN A KAFFIR, WITH RECOVERY OF PIGMENTATION. THE PHOTOGRAPH (143), WITH FACE MAINLY WHITE WITH BLACK SPOTS, IS AN EARLIER STAGE THAN (144), WHERE THE BLACK PIGMENTATION HAS AGAIN BECOME CONTINUOUS. DR REINHARD'S CASE. ORIGINAL PHOTOGRAPHS SENT BY DR REINHARD, THROUGH DR TURNER OF JOHANNISBERG. SEE THE CHAPTER ON LEUCODERMA.



(145)

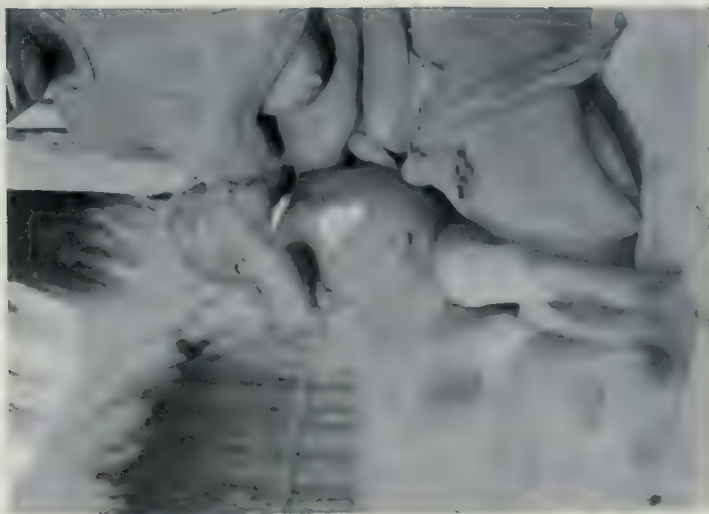
UNI-LATERAL LEUCODERMA, FRONTAL VIEW.



(146)

UNI-LATERAL LEUCODERMA, DORSAL VIEW.

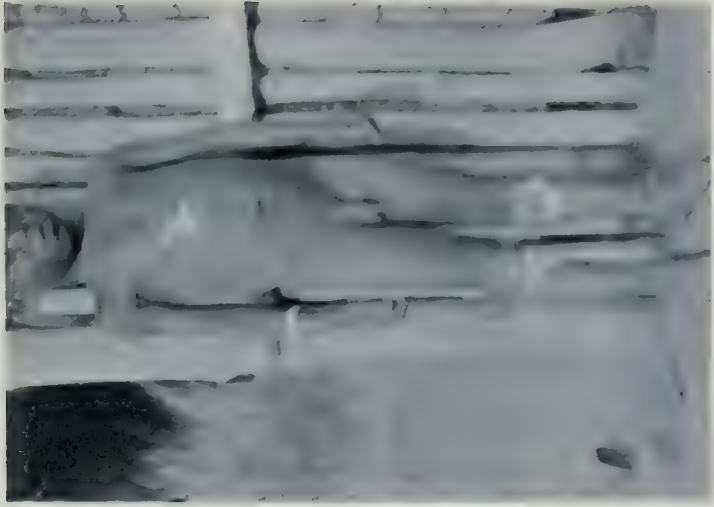
LEUCODERMA IN A NATIVE M'SUTO. DR MAYNARD'S CASE. THE LESIONS ARE STRICTLY UNI-LATERAL. IN THE DORSAL VIEW IT APPEARS AS IF SOME SPOTS WERE ON THE RIGHT OF THE MIDDLE LINE, BUT DR MAYNARD STATES THAT THIS IS NOT SO. SEE THE CHAPTER ON LEUCODERMA.



CHISIANJI, AGED 1 1/2 YEARS, (147)
AND NORMAL MOTHER.



MAYERHERI, AGED 14 YEARS. (148)



THOMAS, AGED 4 YEARS. (149)



NORMAL MOTHER LUCY, MAVERHERI. (150)
AND CHISIANJI. (AGED 5 YEARS).

FURTHER PHOTOGRAPHS, SENT BY DR H. STANNUS, OF THE PIERALS FROM NYASSALAND: SEE PLATE II (21). THESE PHOTOGRAPHS CARRY THE CHARACTER DOWN AN ADDITIONAL, i.e. FIFTH, GENERATION. LUCY, THOMAS AND CHISIANJI ARE CHILDREN, MAVERHERI, A BROTHER OF SANLOE, THE PIED NEGRO ON THE LEFT OF DR EMSLIE'S PHOTOGRAPH (21).



(151)
 ORIGINAL PICTURE OF MARIA SABINA IN THE POSSESSION
 OF THE ROYAL COLLEGE OF SURGEONS. REPRODUCED
 FIRST BY BUFFON: SEE THE PLATE F (18) AND
 CHAPTER ON PIEBALDS, CASE (3).



(152)
 DA ROCHA'S PIED NEGRESS FROM THE PICTURE IN THE
 LABORATOIRE DE PARASITOLOGIE, PARIS, FROM A BLOCK
 KINDLY LENT BY PROFESSEUR R. BLANCHARD: SEE THE
 CHAPTER ON PIEBALDS, CASE (10).



(153)
 PHOTOGRAPH OF A PIED NEGRO BOY
 PRESENTED BY CHARLES DARWIN TO
 THE ROYAL COLLEGE OF SURGEONS:
 SEE THE CHAPTER ON PIEBALDS,
 CASE (12).



(154)

WAX MODEL OF THE PIED NEGRO GIRL, ADELAIDE FROM ST LUCIA, NOW IN THE MUSEUM OF THE HARVARD MEDICAL SCHOOL AT BOSTON, U.S.A.: SEE THE CHAPTER ON PIEBALDS, CASE (7).



(155)



(156)

LE MASURIER'S PAINTINGS, 1782, OF THE PIED NEGRO GIRL ADELAÏDE; SEE THE CHAPTER ON PIEBALDS, CASE (7). WE HAVE TO THANK THE PUBLISHERS OF *LA NATURE* FOR THE PERMISSION TO REPRODUCE (157).



(157)



(158)

THE THREE STRIPED GRACES: SEE CHAPTER ON PIEBALDS AND FIG. 509.
REPRODUCED BY KIND PERMISSION OF SIR JONATHAN HUTCHINSON FROM
A PHOTOGRAPH GIVEN TO HIM BY PROFESSOR NEISSER.



(159)

NYASSALAND ALBINO WITH FATHER, MOTHER, NORMAL SIBLING AND MATERNAL
GRANDMOTHER WITH WHITE HAIR (? SENILE), DR DAVEY'S CASE.





(161)

CHINESE ALBINO, NING FUH TAI, FROM HANKOW, DR A. H. SKINNER'S CASE.



(162)

CHINESE PIEBALD (?) FROM KWANGTUNG, DR COUSLAND'S CASE. PHOTOGRAPH THROUGH DR G. DUNCAN WHYTE.



(163)

CHINESE ALBINO FROM HANYANG, DR A. H. SKINNER'S CASE.



(164)

CHINESE ALBINO (161) ALONGSIDE NORMAL CHINESE COOLEY. FROM PHOTOGRAPHS BY DR A. H. SKINNER.



(165)

THE LEOPARD FAMILY AFTER GOULD AND PYLE. SEE PP. 203, 242, 249 AND CF. PLATE VV (158).



(169)

THE MADRID PIEBALD FROM THE PICTURE BY DA ROCHA. CF. PLATE SS (152). SEE OUR P. 240.



(166)

FAMILY OF THREE ALBINOS WITH FATHER AND MOTHER FROM BROKEN HILL, RHODESIA. DR ALEX. BROWN'S CASE.



(167)

LEMISA BERT. DR JOSEPH JONES' "SPOTTED NEGRESS." SEE P. 204.



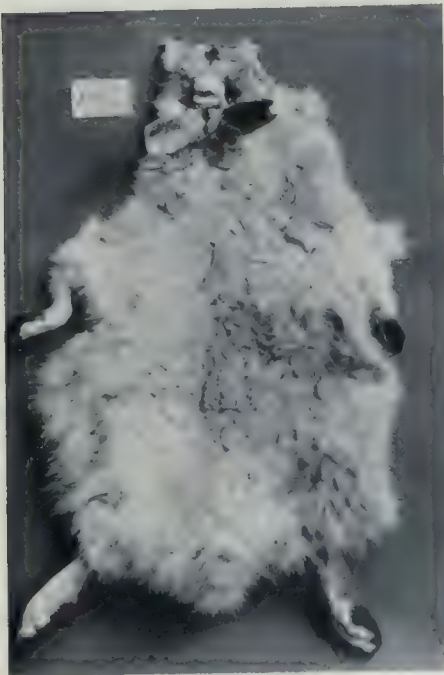
(168)

ALBINO CHILD IN "SPOTTED STOCK." FIG. 286, IV. 1. DR JOSEPH JONES' CASE.



(169)

INDIAN ALBINO WOMAN FROM A PHOTOGRAPH SENT BY CAPTAIN W. F. HARVEY, I.M.S.



JANUARY COAT

(171)

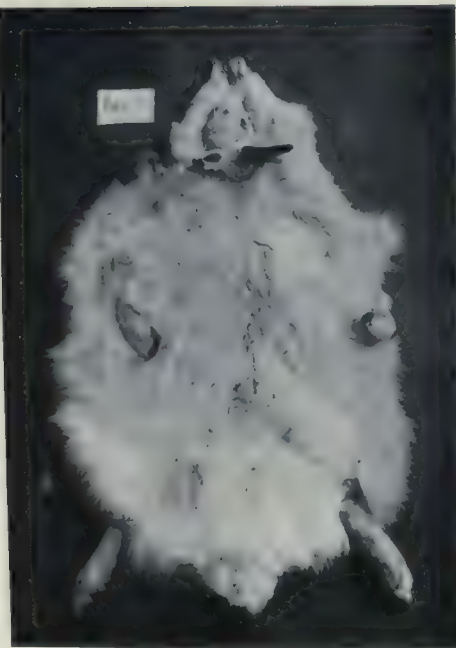


FEBRUARY COAT

(172)



MARCH COAT



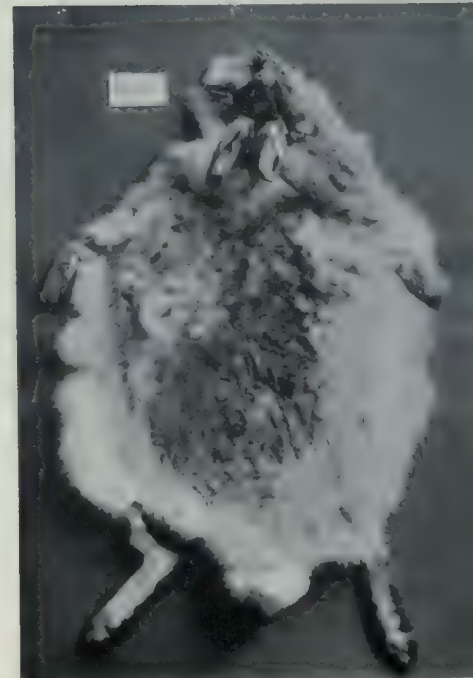
DECEMBER COAT

(182)



NOVEMBER COAT

(181)



OCTOBER COAT

PHOTOGRAPHS OF SCOTTISH VARIABLE HARE.



APRIL COAT

(174)



MAY COAT

(175)

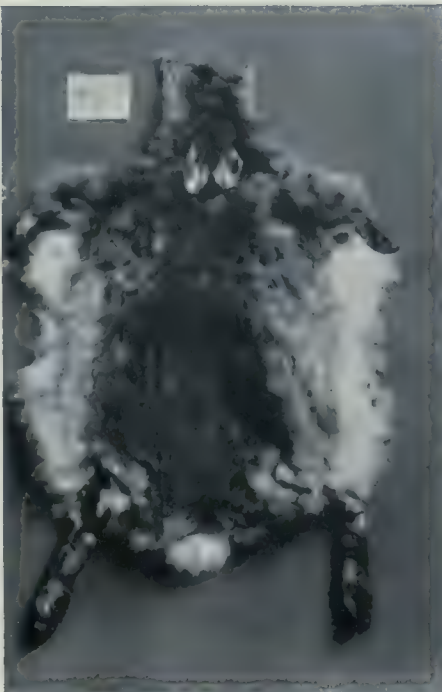


JUNE COAT



SEPTEMBER COAT

(179)



AUGUST COAT

(178)



JULY COAT

PHOTOGRAPHS OF SCOTTISH VARIABLE HARE.



(183)

AUGUST WHITE, PROBABLY ALBINO, *L. Variabilis*.
DARKER SPOTS ON COAT ARE BLOOD-CLOTS.



(184)

NORMAL JANUARY, ABNORMAL AUGUST AND NORMAL AUGUST.
SKINS OF *L. Variabilis*, TO SHEW TEXTURE OF ABNORMAL AUGUST HARE.



(185)

FEBRUARY COAT FEBRUARY COAT SEPTEMBER COAT SEPTEMBER COAT

ABERDEENSHIRE

ROXBURGHSHIRE

PLEASE DO NOT REMOVE
CARDS OR SLIPS FROM THIS POOL

UNIVERSITY OF TORONTO LIBRARY

GN
199
P4
Atlas
pt.1

Pearson, Karl
A monograph on albinism
in man

